

## ABSTRACT OF THE DISCLOSURE

A method and system for performing diagnostic tests on a communications system. Diagnostic test signals are generated by a transceiver included within the communications system. Diagnostic data signals generated within the communications system in response to the diagnostic test signals are collected by the transceiver. The communications transceiver may operate alone, with an assisting communications transceiver, or with a non-assisting communications transceiver. The collected diagnostic data signals are stored and made available for later analysis. The method and system are used to generate and store ECHO Crosstalk, Near End Cross Talk (NEXT) and Far End CrossTalk (FEXT) data signals.